Textbook Alignment to the Utah Core – 6th Grade Mathematics

This alignment has been completed using an "Independent Alignment Vendor" from the USOE approved list (www.schools.utah.gov/curr/imc/indvendor.html.) Yes _____ No _____

Name of Company and Individual Conducting Alignment: Donna Craighead, Ph.D., RedRock Reports

A "Credential Sheet" has been completed on the above company/evaluator and is (Please check one of the following):

☐ **On record with the USOE.**

☐**X** **The "Credential Sheet" is attached to this alignment.**

Instructional Materials Evaluation Criteria (name and grade of the core document used to align): 6th Grade Mathematics Core Curriculum

Ramp-Up to Pre-Algebra provides targeted, accelerated support for 6th grade (or 7th grade) students who are approximately two years behind in mathematics.

Title: ***Ramp-Up to Pre-Algebra*** **ISBN#: 1598961005 –** ***Ramp-Up to Pre-Algebra Student Sets Units 1-8****

Publisher: America's Choice, Inc. (http://www.americaschoice.org/)

**Ramp-Up to Pre-Algebra Student Sets Units 1-8* consists of:*

- Foundations of Algebra – Student Unit 1
- Numbers and the Number Line – Student Unit 2
- Decimals and Percents – Student Unit 3
- Geometric Measure – Student Unit 4
- Multiples and Factors – Student Unit 5
- Operations with Fractions – Student Unit 6
- Data and Negatives – Student Unit 7
- Ratios and Graphs – Student Unit 8

Overall percentage of coverage in the *Student Edition (SE) and Teacher Edition (TE)* of the Utah State Core Curriculum: 76%
Student Edition (SE) is correlated and Teacher Edition (TE) is not correlated.

Overall percentage of coverage in *ancillary materials* of the Utah Core Curriculum: *Ancillary Materials are not correlated.*

STANDARD I: Students will expand number sense to include operations with rational numbers.

Percentage of coverage in the *student and teacher edition* for Standard I: *20/22 sub-indicators for the Student Edition (SE) are covered at 91%. Teacher Edition (TE) is not correlated.*		**Percentage of coverage not in student or teacher edition, but covered in the *ancillary material* for Standard I:** *Ancillary Materials are not correlated*		
OBJECTIVES & INDICATORS		**Coverage in *Student Edition(SE) and Teacher Edition (TE)* (pg #'s, etc.)**	**Coverage in *Ancillary Material* (titles, pg #'s, etc.)**	***Not covered in TE, SE or ancillaries***
Objective 1.1: Represent rational numbers in a variety of ways.				
a.	Recognize a rational number as a ratio of two integers, a to b, where b is not equal to zero.	**Student Edition** Unit 2 Lesson 6: pp. 28-33 Lesson 7: pp. 32-37 Lesson 10: pp. 49-53 Lesson 11: pp. 54-55 Unit 8 Lesson 1: pp. 2-3		
b.	Change whole numbers with exponents to standard form (e.g., $2^4 = 16$) and recognize that any non-zero whole number to the zero power equals 1 (e.g., $9^0 = 1$).	**Student Edition** Unit 3 Lesson 13: p. 61-64 Unit 5 Lesson 5: pp. 18-21 Lesson 11: p. 41, 43		
c.	Write a whole number in expanded form using exponents (e.g., $876{,}539 = 8 \times 10^5 + 7 \times 10^4 + 6 \times 10^3 + 5 \times 10^2 + 3 \times 10^1 + 9 \times 10^0$).	**Student Edition** Unit 3 Lesson 5: pp 24-28 Unit 5 Lesson 5: pp. 18-19 Lesson 10: p. 37		
d.	Express numbers in scientific notation using positive powers of ten.	**Student Edition** -		
Objective 1.2: Explain relationships and equivalencies among rational numbers.				

a.	Place rational numbers on the number line. *Correlator Comment: Placing rational numbers on the number line is correlated to the following Units/Lessons. However, along with placing numbers on the number line, the number line is used throughout many Units to demonstrate basic mathematical concepts, for example:* *-Locating and/or ordering rational numbers,* *-Adding, subtracting, multiplying, and dividing rational numbers,* *-Rounding rational numbers, and* *-Using number lines (horizontal and vertical to demonstrate real-world situations.* *These examples of number line use are correlated in other indicators.*	**Student Edition** Unit 2 Lesson 3: pp. 11-16 Lesson 4: pp. 17-21 Lesson 5: pp. 22, 24 Lesson 6: pp. 28, 30-31 Lesson 7: pp. 32-37 Lesson 8: pp. 38, 40, 42 Lesson 11: p. 54 Lesson 12: p. 57, 59-60 Lesson 13: pp. 61-63 Unit 6 Lesson 5: pp. 20-23 Unit 7 Lesson 6: pp. 31-38 Lesson 7: p. 41		
b.	Compare and order rational numbers, including positive and negative mixed fractions and decimals, using a variety of methods and symbols, including the number line and finding common denominators.	**Student Edition** Unit 2 Lesson 2: pp. 6-10 Lesson 3: pp. 11-16 Lesson 4: pp. 17-21 Lesson 5: pp. 22-26 Lesson 6: pp. 27-31 Lesson 7: pp. 32-37 Lesson 8: pp. 38-42 Lesson 9: pp. 43-48 Lesson 10: pp. 49-53 Lesson 11: pp. 54-55 Lesson 12: pp. 56-60 Lesson 13: pp. 61-65 Lesson 14: pp. 66-71 Unit 3 Lesson 8: p. 40 Lesson 9: p. 44 Lesson 10: pp. 48-49 Lesson 20: pp. 91-96 Lesson 21: pp. 97-100 Lesson 22: pp. 101-102 Lesson 23: p. 107, 110 Lesson 24: p. 112 Unit 6 Lesson 2: pp. 7-10		

		Lesson 5: pp. 20-23 Lesson 6: pp. 25, 27 Lesson 11: p. 44 Lesson 12: p. 48 Unit 7 Lesson 6: pp. 31-38 Lesson 7: pp. 39-44 Lesson 16: pp. 83, 85		
c.	Find equivalent forms for common fractions, decimals, percents, and ratios, including repeating or terminating decimals.	**Student Edition** Unit 2 Lesson 2: pp. 6-10 Lesson 3: pp. 12, 15-16 Lesson 7: pp. 32-37 Lesson 8: pp. 38-42 Lesson 9: pp. 43-48 Lesson 10: pp. 49-53 Lesson 11: pp. 54-55 Lesson 12: pp. 56-60 Lesson 14: p. 68 Unit 3 Lesson 3: p. 48 Lesson 20: pp. 91-96 Lesson 21: pp. 97-100 Lesson 22: pp. 101-105 Lesson 23: p. 110 Unit 4 Lesson 17: p. 88 Lesson 18: p. 94 Unit 6 Lesson 2: pp. 7-10 Lesson 5: pp. 20-23 Lesson 6: pp. 24-27 Unit 7 Lesson 3: p. 17 Lesson 4: p. 24 Lesson 5: p. 29 Lesson 6: p. 35 Lesson 7: p. 43 Lesson 8: p. 48 Lesson 9: p. 52 Lesson 10: p. 57 Lesson 12: p. 65		

		Lesson 13: p. 70 Lesson 15: p. 81 Lesson 17: p. 88		
d.	Relate percents less than 1% or greater than 100% to equivalent fractions, decimals, whole numbers, and mixed numbers.	**Student Edition** Unit 3 Lesson 20: pp. 91-96 Lesson 21: p. 98 Lesson 23: p. 109		
e.	Recognize that the sum of an integer and its additive inverse is zero.	**Student Edition** Unit 1 Lesson 11: pp. 54-57 Lesson 12: p. 59 Unit 2 Lesson 6: p. 27 Unit 7 Lesson 15: pp. 78-82		
Objective 1.3: Use number theory concepts to find prime factorizations, least common multiples, and greatest common factors.				
a.	Determine whether whole numbers to 100 are prime, composite, or neither.	**Student Edition** Unit 5 Lesson 4: pp. 14-18 Lesson 5: pp. 18-21 Lesson 6: pp. 22-25 Lesson 10: pp. 37-39 Lesson 11: pp. 40-43 Lesson 14: pp. 50-52		
b.	Find the prime factorization of composite numbers to 100.	**Student Edition** Unit 5 Lesson 5: pp. 18-21 Lesson 6: pp. 22-25 Lesson 7: pp. 26-28 Lesson 8: p. 32 Lesson 9: p. 34 Lesson 10: pp. 37-39 Lesson 11: pp. 40-43 Lesson 12: pp. 44-46 Lesson 13: pp. 47-49 Lesson 14: pp. 50-52		
c.	Find the greatest common factor and least common multiple	**Student Edition**		

	for two numbers using a variety of methods (e.g., list of multiples, prime factorization).	Unit 5 Lesson 7: pp. 26-28 Lesson 8: pp. 29-32 Lesson 9: pp. 33-36 Lesson 10: pp. 37-39 Lesson 11: pp. 40-43 Lesson 12: pp. 44-46 Lesson 13: pp. 47-49 Lesson 14: pp. 50-52 Lesson 10: pp. 37-39 Lesson 11: pp. 40-43 Lesson 12: p. 45 Lesson 13: p. 47-49 Lesson 14: pp. 50-52		
Objective 1.4: Model and illustrate meanings of operations and describe how they relate.				
a.	Relate fractions to multiplication and division and use this relationship to explain procedures for multiplying and dividing fractions.	**Student Edition** Unit 3 Lesson 10: p. 46-48 Unit 6 Lesson 3: pp. 11-15 Lesson 4: pp. 16-19 Lesson 5: pp. 20-23 Lesson 9: pp. 34-38 Lesson 10: pp. 39-42 Lesson 11: pp. 43-46 Lesson 12: pp. 47-51 Lesson 13: p. 54 Lesson 14: pp. 55-57		
b.	Recognize that ratios derive from pairs of rows in the multiplication table and connect with equivalent fractions.	**Student Edition** -		
c.	Give mixed number and decimal solutions to division problems with whole numbers.	**Student Edition** Unit 3 Lesson 15: pp. 69-75 Lesson 16: pp. 76-80 Lesson 17: pp. 81-84 Lesson 18: pp. 85-87 Lesson 19: pp. 88-90 Unit 4 Lesson 12: p. 59		

		Unit 5 Lesson 8: p. 32 Lesson 9: p. 35 Unit 6 Lesson 3: pp. 11-12 Lesson 9: pp. 34-38 Lesson 12: p. 49		
Objective 1.5: Solve problems involving multiple steps.				
a.	Select appropriate methods to solve a multi-step problem involving multiplication and division of fractions and decimals. *Correlator Comments: Multi-step problems involving multiplication and division of fraction and decimals are correlated with this indicator.*	**Student Edition** Unit 2 Lesson 13: pp. 61-65 Unit 3 Lesson 3: p. 17 Lesson 6: p. 31 Lesson 7: p. 37 Lesson 12: pp. 58 Lesson 17: pp. 81-84 Lesson 18: pp. 85-87 Lesson 19: p. 90 Lesson 22: pp. 104-105 Lesson 23: pp. 108-109 Lesson 24: pp. 111-113 Unit 6 Lesson 1: p. 6 Lesson 2: p. 10 Lesson 12: p. 50 Unit 7 Lesson 10: p. 58 Lesson 14: p. 77 Unit 8 Lesson 6: p. 31 Lesson 10: pp. 51-52 Lesson 13: p. 66 Lesson 15: p. 76		
b.	Use estimation to determine whether results obtained using a calculator are reasonable.	**Student Edition** Unit 2 Lesson 5: p. 23-25		
c.	Use estimation or calculation to compute results, depending on the context and numbers involved in the problem.	**Student Edition** Unit 2 Lesson 5: p. 23-25 Unit 3		

		Lesson 4: pp. 21, 23 Lesson 6: pp. 29- 32 Lesson 7: p. 35 Lesson 8: p. 38 Lesson 11: pp. 51-54 Lesson 12: pp. 55-59 Lesson 13: pp. 60-61 Lesson 15: pp. 71-75 Lesson 16: pp. 76-80 Lesson 17: pp. 81-84 Lesson 18: pp. 85-87 Lesson 19: pp. 89-90 Lesson 22: pp. 101-195 Lesson 24: pp. 111-113 Unit 4 Lesson 6: pp. 25-29 Lesson 9: pp. 45-46 Lesson 12: pp. 56-59 Lesson 13: p. 64 Lesson 22: p. 111		
d.	Solve problems involving ratios and proportions.	**Student Edition** Unit 1 Lesson 14: pp. 66-71 Lesson 15: pp. 72-76 Lesson 18: pp. 87-90 Lesson 19: pp. 93-94 Unit 4 Lesson 25: p. 129 Unit 8 Lesson 1: pp. 1-6 Lesson 2: pp. 7-11 Lesson 3: pp. 12-16 Lesson 4: pp. 17-21 Lesson 5: pp. 22-26 Lesson 6: pp. 27-31 Lesson 7: pp 32-37 Lesson 9: pp. 44-52 Lesson 10: pp. 53-52 Lesson 11: pp. 53-56 Lesson 12: pp. 57-61 Lesson 13: pp. 62-66 Lesson 14: pp. 67-71		

		Lesson 15: pp. 72-76 Lesson 16: pp. 77-79 Lesson 17: pp. 80-82 Lesson 18: pp. 83-86		
Objective 1.6: Demonstrate proficiency with the four operations, with positive rational numbers, and with addition and subtraction of integers.				
a.	Multiply and divide a multi-digit number by a two-digit number, including decimals.	**Student Edition** Unit 1 Lesson 10: p. 52 Lesson 12: p. 59 Lesson 13: p. 63 Lesson 18: p. 89 Lesson 19: p. 96 Unit 2 Lesson 6: p. 30 Unit 3 Lesson 11: pp. 51-54 Lesson 12: pp. 58-59 Lesson 13: p. 63 Lesson 15: pp 69-75 Lesson 17: pp. 81-84 Lesson 18: pp. 85-87 Lesson 19: pp. 88-89 Lesson 21: p. 98 Lesson 22: p. 104 Lesson 24: pp. 111-112 Unit 4 Lesson 1: p. 3 Lesson 2: p. 8 Lesson 3: p. 12 Lesson 14: p. 73 Lesson 15: p. 79 Lesson 16: p. 83 Unit 5 Lesson 7: p. 28 Lesson 8: p. 32 Lesson 9: p. 35 Lesson 10: p. 38 Unit 6 Lesson 11: p. 44		

		Lesson 12: p. 49 Unit 8 Lesson 9: p. 45 Lesson 10: p. 50 Lesson 13: p. 65		
b.	Add, subtract, multiply, and divide fractions and mixed numbers.	**Student Edition** Unit 6 Lesson 1: pp. 1-6 Lesson 2: pp. 7-10 Lesson 3: pp. 11-15 Lesson 4: pp. 16-19 Lesson 5: pp. 20-23 Lesson 6: pp. 24-27 Lesson 7: pp. 28-30 Lesson 8: pp. 31-33 Lesson 9: pp. 34-38 Lesson 10: pp. 39-42 Lesson 11: pp. 43-46 Lesson 12: pp. 47-51 Lesson 13: pp. 52-54 Lesson 14: pp. 55-58 Unit 7 Lesson 13: p. 70 Lesson 19: p. 97 Unit 8 Lesson 5: p. 25 Lesson 6: p. 30 Lesson 8: p. 41		
c.	Add and subtract integers. *Correlator Comment: Integers include natural numbers, their opposites, and zero; thus, early lessons reflect these inclusions. Later lessons include adding and subtracting integers along with rational numbers.*	**Student Edition** Unit 3 Lesson 1: pp.1-6 Lesson 2: pp. 7-11 Lesson 3: pp. 12-17 Lesson 4: pp. 19-23 Unit 4 Lesson 4: p. 17 Lesson 6: p. 27 Unit 7 Lesson 8: pp. 47-49 Lesson 9: pp. 50-54 Lesson 10: pp. 55-59 Lesson 11: pp. 60-63		

		Lesson 12: pp. 64-67 Lesson 16: pp. 83-85 Unit 8 Lesson 3: p. 15 Lesson 5: p. 25 Lesson 6: p. 30 Lesson 7: p. 36 Lesson 8: p. 41		
STANDARD II: Students will use patterns, relations, and algebraic expressions to represent and analyze mathematical problems and number relationships.				
Percentage of coverage in the *student and teacher edition* for Standard II: *6/6 sub-indicators for the Student Edition (SE) are covered at 100%. Teacher Edition (TE) is not correlated.*		**Percentage of coverage not in student or teacher edition, but covered in the *ancillary material* for Standard II:** *Ancillary Materials are not correlated*		
OBJECTIVES & INDICATORS		**Coverage in *Student Edition(SE) and Teacher Edition (TE)* (pg #'s, etc.)**	**Coverage in *Ancillary Material* (titles, pg #'s, etc.)**	***Not covered in TE, SE o ancillaries*** ✔
Objective 2.1: Analyze algebraic expressions, tables, and graphs to determine patterns, relations, and rules.				
a.	Describe simple relationships by creating and analyzing tables, equations, and expressions.	**Student Edition** Unit 1 Lesson 1: pp. 3-5 Lesson 2: pp. 6-11 Lesson 3: pp. 12-16 Lesson 4: pp. 17-22 Lesson 5: pp. 23-28 Lesson 6: pp. 29-34 Lesson 7: pp. 35-38 Lesson 8: pp. 39-43 Lesson 9: pp. 44-49 Lesson 10: pp. 50-53 Lesson 11: pp. 54-57 Lesson 12: pp. 58-60 Lesson 13: pp. 61-65 Lesson 14: pp. 66-71 Lesson 15: pp. 72-76 Lesson 16: pp. 77-81 Lesson 17: pp. 82-86		

		Lesson 18: pp. 87-90 Lesson 19: pp. 91-97 Unit 3 Lesson 14: p. 68 Lesson 17: p. 84 Lesson 20: p. 96 Lesson 22: p. 102 Lesson 23: p. 110 Unit 4 Lesson 6: pp. 26, 28 Lesson 7: pp. 30-36 Lesson 8: pp. 38, 41 Lesson 9: p. 45 Lesson 12: p. 58 Lesson 13: p. 67 Lesson 18: p. 92 Lesson 25: p. 128 Unit 5 Lesson 1: pp. 2-4 Lesson 5: p. 21 Unit 6 Lesson 3: p. 14 Lesson 7: p. 30 Lesson 10: p. 40 Unit 7 Lesson 1: pp. 1-8 Lesson 2: pp. 9-14 Lesson 3: pp. 15-19 Lesson 4: pp. 20-26 Lesson 5: pp. 27-30 Lesson 13: p. 72 Lesson 15: p. 79-80 Lesson 18: p. 92 Lesson 19: p. 94 Unit 8 Lesson 4: pp. 17-21 Lesson 5: pp. 22-26 Lesson 6: p. 31 Lesson 7: pp. 32-37 Lesson 9: p. 44 Lesson 10: p. 51 Lesson 12: pp. 57, 59 Lesson 13: pp. 62-66		

		Lesson 14: p. 67 Lesson 15: pp. 72-76 Lesson 16: pp. 77-79 Lesson 17: pp. 80-82 Lesson 18: pp. 83-86		
b.	Draw a graph and write an equation from a table of values.	**Student Edition** Unit 1 Lesson 16: p. 79 Lesson 17: p. 86 Lesson 18: pp. 89-90 Unit 8 Unit 12: pp. 59-60 Lesson 13: pp. 62-66 Lesson 18: p. 84		
c.	Draw a graph and create a table of values from an equation.	**Student Edition** Unit 1 Lesson 18: p. 88-90		
Objective 2.2: Write, interpret, and use mathematical expressions, equations, and formulas to represent and solve problems that correspond to given situations.				
a.	Solve single variable linear equations using a variety of strategies.	**Student Edition** Unit 1 Lesson 15: pp. 72-76 Unit 4 Lesson 25: p. 129		
b.	Recognize that expressions in different forms can be equivalent and rewrite an expression to represent a quantity in a different way.	**Student Edition** Unit 1 Lesson 1: p. 3 Lesson 3: pp. 12-16 Lesson 4: pp. 17-22 Lesson 5: pp. 23-28 Lesson 6: pp. 29-34 Lesson 9: p. 48 Lesson 10: p. 53 Lesson 12: p. 60 Lesson 13: p. 63 Lesson 16: p. 79 Unit 2 Lesson 1: pp. 1-5 Lesson 7: pp. 32-37		

c.	Evaluate and simplify expressions and formulas, substituting given values for the variables (e.g., 2x + 4; x = 2; therefore, 2 (2) + 4 = 8).	**Student Edition** Unit 1 Lesson 1: p. 3 Lesson 3: pp. 12-16 Lesson 4: pp. 17-22 Lesson 5: pp. 23-28 Lesson 7: pp. 37-38 Lesson 8: pp. 39-43 Lesson 9: pp. 44-49 Lesson 12: pp. 58-60 Lesson 13: pp. 61-65 Lesson 14: pp. 66-71 Lesson 17: pp. 82-86 Lesson 18: pp. 87-90 Lesson 19: pp. 91-97 Unit 3 Lesson 17: p. 83 Unit 4 Lesson 9: pp. 43, 46 Lesson 10: p. 49 Lesson 13: pp. 63-65 Lesson 15: pp. 76-77 Lesson 16: pp. 81-83 Lesson 19: pp. 96-98 Lesson 20: pp. 101-105 Lesson 21: pp. 106-109 Lesson 22: pp. 110-114		

STANDARD III: Students will use spatial and logical reasoning to recognize, describe, and analyze geometric shapes and principles.

Percentage of coverage in the *student and teacher edition* for Standard III: *3/6 sub-indicators for the Student Edition (SE) are covered at 50%. Teacher Edition (TE) is not correlated.*	**Percentage of coverage not in student or teacher edition, but covered in the *ancillary material* for Standard III:** *Ancillary Materials are not correlated.*		
OBJECTIVES & INDICATORS	**Coverage in *Student Edition(SE) and Teacher Edition (TE)* (pg #'s, etc.)**	**Coverage in *Ancillary Material* (titles, pg #'s, etc.)**	***Not covered in TE, SE o ancillaries*** ✔
Objective 3.1: Identify and analyze attributes and properties of geometric shapes to solve problems.			
a. Identify the midpoint of a line segment and the center and	**Student Edition**		

	circumference of a circle.	Unit 4 Lesson 8: pp. 37 Lesson 10: pp. 48-52 Lesson 22: pp. 110-111		
b.	Identify angles as vertical, adjacent, complementary, or supplementary and provide descriptions of these terms.	**Student Edition** Unit 4 Lesson 1: pp. 1-4 Lesson 2: pp. 5-9 Lesson 5: p. 20 Lesson 24: p. 119 Lesson 25: pp. 124-129		
c.	Develop and use the properties of complementary and supplementary angles and the sum of the angles of a triangle to solve problems involving an unknown angle in a triangle or quadrilateral.	**Student Edition** Unit 4 Lesson 2: pp. 5-9 Lesson 3: pp. 10-13 Lesson 4: pp. 14-19 Lesson 5: pp. 20-23 Lesson 13: pp. 64-65 Lesson 14: pp. 70-75 Lesson 16: pp. 81-84 Lesson 17: pp. 85-89 Lesson 24: p. 119 Lesson 25: pp. 124-129		
Objective 3.2: Visualize and identify geometric shapes after applying transformations on a coordinate plane.				
a.	Rotate a polygon about the origin by a multiple of 90° and identify the location of the new vertices.	**Student Edition** **-**		
b.	Translate a polygon either horizontally or vertically on a coordinate grid and identify the location of the new vertices.	**Student Edition** **-**		
c.	Reflect a polygon across either the x- or y-axis and identify the location of the new vertices.	**Student Edition** **-**		
STANDARD IV: Students will understand and apply measurement tools and techniques and find the circumference and area of a circle.				
Percentage of coverage in the *student and teacher edition* for Standard IV: *10/10 sub-indicators for the Student Edition (SE) are covered at 100%. Teacher Edition (TE) is not correlated.*		**Percentage of coverage not in student or teacher edition, but covered in the *ancillary material* for Standard IV:** *Ancillary Materials are not correlated.*		

OBJECTIVES & INDICATORS		Coverage in *Student Edition(SE) and Teacher Edition (TE)* (pg #'s, etc.)	Coverage in *Ancillary Material* (titles, pg #'s, etc.)	*Not covered in TE, SE o ancillaries* ✔
Objective 4.1: Describe and find the circumference and area of a circle.				
a.	Explore the relationship between the radius and diameter of a circle to the circle's circumference to develop the formula for circumference.	**Student Edition** Unit 4 Lesson 8: pp. 37 Lesson 10: pp. 48-52 Lesson 22: pp. 110-111		
b.	Find the circumference of a circle using a formula.	**Student Edition** Unit 4 Lesson 8: pp. 37 Lesson 10: pp. 48-52 Lesson 17: p. 86-88 Lesson 22: pp. 110-111		
c.	Describe pi as the ratio of the circumference to the diameter of a circle.	**Student Edition** Unit 4 Lesson 10: pp. 48-52		
d.	Decompose a circle into a number of wedges and rearrange the wedges into a shape that approximates a parallelogram to develop the formula for the area of a circle.	**Student Edition** -		
e.	Find the area of a circle using a formula.	**Student Edition** Unit 4 Lesson 15: pp. 76-80 Lesson 16: p. 82 Lesson 17: pp. 87, 89 Lesson 25: p. 127		
Objective 4.2: Identify and describe measurable attributes of objects and units of measurement, and solve problems involving measurement.				
a.	Recognize that measurements are approximations and describe how the size of the unit used in measuring affects the precision.	**Student Edition** Unit 2 Lesson 13: p. 61-65 Unit 4 Lesson 6: pp. 24-29 Lesson 7: pp. 30-36 Lesson 9: p. 45		

		Lesson 10: pp. 48-52 Lesson 15: p. 76 Lesson 23: p. 116 Lesson 24: p. 122-123		
b.	Convert units of measurement within the metric system and convert units of measurement within the customary system.	**Student Edition** Unit 3 Lesson 14: p. 66 Lesson 18: pp. 85-76 Unit 4 Lesson 7: pp. 30-36 Lesson 8: p. 41 Lesson 9: p. 44 Lesson 12: pp. 58-59, 61 Lesson 13: p. 67 Lesson 19: p. 97		
c.	Compare a meter to a yard, a liter to a quart, and a kilometer to a mile.	**Student Edition** Unit 4 Lesson 12: p. 58-59		
d.	Determine when it is appropriate to estimate or use precise measurement when solving problems.	**Student Edition** Unit 2 Lesson 13: pp. 61-65 Unit 4 Lesson 6: pp. 24-29 Lesson 8: p. 41 Lesson 9: pp. 46-47		
e.	Derive and use the formula to determine the surface area and volume of a cylinder.	**Student Edition** Unit 4 Lesson 20: pp. 102, 104-105 Lesson 23: p. 116 Lesson 24: p. 120 Lesson 25: p. 127-130		

STANDARD V: Students will analyze, draw conclusions, and make predictions based upon data and apply basic concepts of probability.

Percentage of coverage in the *student and teacher edition* for Standard V: *3/8 sub-indicators for the Student Edition (SE) are covered at 38%. Teacher Edition (TE) is not correlated.*	**Percentage of coverage not in student or teacher edition, but covered in the *ancillary material* for Standard V:** *Ancillary Materials are not correlated.*		
	Coverage in *Student Edition(SE) and Teacher Edition (TE)* (pg #'s, etc.)	**Coverage in *Ancillary Material* (titles, pg #'s, etc.)**	***Not covered in TE, SE o***

OBJECTIVES & INDICATORS				*ancillaries*
Objective 5.1: Design investigations to reach conclusions using statistical methods to make inferences based on data.				
a.	Design investigations to answer questions.	**Student Edition** -		
b.	Extend data display and comparisons to include scatter plots and circle graphs.	**Student Edition** Unit 2 Lesson 14: p. 67 Unit 6 Lesson 14: p. 57		
c.	Compare two similar sets of data on the same graph and compare two graphs representing the same set of data.	**Student Edition** Unit 1 Lesson 15: pp. 72-76 Unit 7 Lesson 1: pp. 1- 8 Lesson 2: pp. 9-14 Lesson 5: pp. 27-30 Lesson 18: pp. 90-93 Unit 8 Lesson 13: pp. 64-66 Lesson 16: p. 7		
d.	Recognize that changing the scale influences the appearance of a display of data.	**Student Edition** Unit 7 Lesson 1: pp. 1- 8 Lesson 5: p. 28		
e.	Propose and justify inferences and predictions based on data.	**Student Edition** Unit 7 Lesson 1: p. 6 Lesson 2: p. 14 Lesson 3: pp. 15-19 Lesson 18: p. 93 Unit 8 Lesson 6: p. 31 Lesson 15: p. 76 Lesson 17: pp. 80-82		
Objective 5.2: Apply basic concepts of probability and justify outcomes.				

a.	Write the results of a probability experiment as a fraction between zero and one, or an equivalent percent.	**Student Edition** Unit 8 Lesson 3: p. 16		
b.	Compare experimental results with theoretical results (e.g., experimental: 7 out of 10 tails; whereas, theoretical 5 out of 10 tails).	**Student Edition** -		
c.	Compare individual, small group, and large group results of a probability experiment in order to more accurately estimate the actual probabilities.	**Student Edition** -		